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## **X.500 Directory and OSI management**

Zhang, X. Tesson, J.-L. Seret, D. Remy, C.

Bull S.A., Les Clayes Sous Bois;

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### **Abstract:**

With the growth of interconnected network size and complexity, diverse requirements have risen for constructing a powerful information service. The concepts of management information base and directory information base are reviewed, and their similarities and differences are analyzed. It is shown that applying X.500 Directory to OSI management presents some interesting benefits. Several X.500 object classes are then proposed to represent management information in the directory. A model of information exchange is addressed briefly. It is suggested that a worldwide information sharing service for management applications can be achieved with the approach described

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### **Index Terms:**

OSI management X.500 Directory information exchange information service information services interconnected network management information base open systems telecommunication network management worldwide information sharing service OSI management X.500 Directory information exchange information service information services interconnected network management information base open systems telecommunication network management worldwide information sharing service

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